

Safety Data Sheet
HS BRUSHING ACTIVATOR



Bulk Sales Reference No.:
SDS Revision Date:
SDS Revision Number:

Sales
Order: {SalesOrd}
OA0031
05/18/2015
4-4

1. Identification of the preparation and company

1.1. Product identifier

Product Identity HS BRUSHING ACTIVATOR
Bulk Sales Reference No. OA0031

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

Intended Use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Akzo Nobel Coatings
International Paint LLC
2270 Morris Avenue
P. O. Box 386

Emergency

CHEMTREC (USA) (800) 424-9300
International Paint (713) 527-3887
Poison Control Center (800) 854-6813
Customer Service
International Paint (800) 589-1267
Fax No. (800) 631-7481

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Flam. Liq. 3;H226 Flammable liquid and vapor.
Acute Tox. 5;H303 May be harmful if swallowed.
Acute Tox. 5;H313 May be harmful in contact with skin.
Eye Irrit. 2;H319 Causes serious eye irritation.
Aquatic Acute 3;H402 Harmful to aquatic life.

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.



Warning.

H226 Flammable liquid and vapor.
H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H319 Causes serious eye irritation.
H402 Harmful to aquatic life.

- P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection / face protection.
- P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P312 Call a POISON CENTER or doctor / physician if you feel unwell.
- P337+313 If eye irritation persists: Get medical advice / attention.
- P370 In case of fire: Use water spray, fog, or regular foam..
- P403+233 Store in a well ventilated place. Keep container tightly closed.
- P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating Health: 2 Flammability: 3 Reactivity: 0

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|---|--------|
| Methyl n-amyl ketone CAS Number: 0000110-43-0 | 50 - 75 | Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H302 | [1][2] |
| Ethyl 3-ethoxypropionate CAS Number: 0000763-69-9 | 10 - 25 | Flam. Liq. 2;H225 Eye Irrit. 2;H319 | [1] |
| 2,4-Pentanedione CAS Number: 0000123-54-6 | 10 - 25 | Flam. Liq. 3;H226 Acute Tox. 4;H302 Acute Tox. 3;H311 Acute Tox. 3;H331 Skin Irrit. 2;H315 Eye Irrit. 2;H319 | [1] |
| Ethylene glycol monobutyl ether acetate CAS Number: 0000112-07-2 | 10 - 25 | Acute Tox. 4;H332 Acute Tox. 4;H312 | [1][2] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

- General Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
- Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Eyes In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
- Skin In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
- Ingestion If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

- Overview NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
- Inhalation Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.

| | |
|-----------|--|
| Eyes | Causes severe eye irritation. Avoid contact with eyes. |
| Skin | Causes skin irritation. May be harmful if absorbed through the skin. |
| Ingestion | Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness. |

Chronic effects

5. Fire-fighting measures

5.1. Extinguishing media

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient.
 CAUTION: For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective.
 SMALL FIRES: Use dry chemical, CO₂, water spray or regular foam. LARGE FIRES: Use water spray, fog, or regular foam. Do not use straight streams. Move containers from fire area if you can do so without risk.

5.2. Special hazards arising from the substance or mixture

HIGHLY FLAMMABLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

ERG Guide No. 128

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

7. Handling and storage

7.1. Precautions for safe handling

Handling

Vapors may cause flash fire or ignite explosively.

In Storage

Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Avoid contact with eyes, skin and clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|---|-----------|--|
| 0000110-43-0 | Methyl n-amyl ketone | OSHA | 100 ppm TWA; 465 mg/m3 TWA |
| | | ACGIH | 50 ppm TWA |
| | | NIOSH | 100 ppm TWA; 465 mg/m3 TWA 800 ppm IDLH |
| | | Supplier | |
| | | OHSA, CAN | 25 ppm TWA; 115 mg/m3 TWA |
| | | Mexico | 50 ppm TWA LMPE-PPT; 235 mg/m3 TWA LMPE-PPT 100 ppm STEL [LMPE-CT]; 465 mg/m3 STEL [LMPE-CT] |
| | | Brazil | |
| 0000112-07-2 | Ethylene glycol monobutyl ether acetate | OSHA | |
| | | ACGIH | 20 ppm TWA |
| | | NIOSH | 5 ppm TWA; 33 mg/m3 TWA |
| | | Supplier | |
| | | OHSA, CAN | 20 ppm TWA |
| | | Mexico | |
| | | Brazil | |
| 0000123-54-6 | 2,4-Pentanedione | OSHA | |
| | | ACGIH | 25 ppm TWA |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | 25 ppm TWA |
| | | Mexico | |
| | | Brazil | |
| 0000763-69-9 | Ethyl 3-ethoxypropionate | OSHA | |
| | | ACGIH | |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | 50 ppm TWA; 300 mg/m3 TWA |
| | | Mexico | |
| | | Brazil | |

Health Data

| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|---|
| 0000110-43-0 | Methyl n-amyl ketone | NIOSH | Irritation; liver kidney |
| 0000112-07-2 | Ethylene glycol monobutyl ether acetate | NIOSH | Adverse effects on blood and hematopoietic system tissue irritation |
| 0000123-54-6 | 2,4-Pentanedione | NIOSH | |
| 0000763-69-9 | Ethyl 3-ethoxypropionate | NIOSH | |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|--|
| 0000110-43-0 | Methyl n-amyl ketone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000112-07-2 | Ethylene glycol monobutyl ether acetate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | |

| | | | |
|--------------|--------------------------|------|--|
| | | | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000123-54-6 | 2,4-Pentanedione | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000763-69-9 | Ethyl 3-ethoxypropionate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

| | |
|----------------------|---|
| Respiratory | Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet. |
| Eyes | Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use. |
| Skin | Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use. |
| Engineering Controls | Depending on the site-specific conditions of use, provide adequate ventilation. |
| Other Work Practices | Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water. |

| |
|-------------------------------------|
| 9. Physical and chemical properties |
|-------------------------------------|

| | |
|---|--|
| Appearance | Colourless Liquid |
| Odour threshold | Not Measured |
| pH | No Established Limit |
| Melting point / freezing point | Not Measured |
| Initial boiling point and boiling range | 138 (°C) 280 (°F) |
| Flash Point | 34 (°C) 93 (°F) |
| Evaporation rate (Ether = 1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: .8 Upper Explosive Limit: No Established Limit |
| vapor pressure (Pa) | Not Measured |
| Vapor Density | Heavier than air |
| Specific Gravity | 0.86 |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Measured |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | No Established Limit Not Measured |
| VOC % | Refer to the Technical Data Sheet or label where information is |

available.

VOHAP content (gm/litre of paint) 1.42 (as supplied)

VOHAP content (gm/litre of Solid Coating) 0.01 (as supplied)

| |
|-------------------------------------|
| 10. Stability and reactivity |
|-------------------------------------|

10.1. Reactivity

No data available

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

HIGHLY FLAMMABLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.

| |
|--------------------------------------|
| 11. Toxicological information |
|--------------------------------------|

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr |
|--|-----------------------------|----------------------------------|---------------------------------|-------------------------------------|
| Methyl n-amyl ketone - (110-43-0) | 1,670.00, Rat - Category: 4 | 12,600.00, Rabbit - Category: NA | No data available | No data available |
| Ethyl 3-ethoxypropionate - (763-69-9) | 4,300.00, Rat - Category: 5 | 9,500.00, Rabbit - Category: NA | No data available | No data available |
| 2,4-Pentanedione - (123-54-6) | 570.00, Rat - Category: 4 | 787.00, Rabbit - Category: 3 | 5.10, Rat - Category: 3 | No data available |
| Ethylene glycol monobutyl ether acetate - (112-07-2) | 2,400.00, Rat - Category: 5 | 1,500.00, Rabbit - Category: 4 | No data available | No data available |

| Item | Category | Hazard |
|---|----------------|--------------------------------------|
| Acute Toxicity (mouth) | 5 | May be harmful if swallowed. |
| Acute Toxicity (skin) | 5 | May be harmful in contact with skin. |
| Acute Toxicity (inhalation) | Not Classified | Not Applicable |
| Skin corrosion/irritation | Not Classified | Not Applicable |
| Eye damage/irritation | 2 | Causes serious eye irritation. |
| Sensitization (respiratory) | Not Classified | Not Applicable |
| Sensitization (skin) | Not Classified | Not Applicable |
| Germ toxicity | Not Classified | Not Applicable |
| Carcinogenicity | Not Classified | Not Applicable |
| Reproductive Toxicity | Not Classified | Not Applicable |
| Specific target organ systemic toxicity (single exposure) | Not Classified | Not Applicable |

| | | |
|---|----------------|----------------|
| Specific target organ systemic Toxicity (repeated exposure) | Not Classified | Not Applicable |
| Aspiration hazard | Not Classified | Not Applicable |

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|-----------------------------|----------------------------|---|
| Methyl n-amyl ketone - (110-43-0) | 131.00, Pimephales promelas | Not Available | Not Available |
| Ethyl 3-ethoxypropionate - (763-69-9) | 50.00, Pimephales promelas | 480.00, Daphnia magna | 115.00 (72 hr), Selenastrum capricornutum |
| 2,4-Pentanedione - (123-54-6) | 60.10, Lepomis macrochirus | 47.60, Daphnia magna | 300.00 (72 hr), Chlorococcales |
| Ethylene glycol monobutyl ether acetate - (112-07-2) | Not Available | Not Available | Not Available |

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses.

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

14.1. UN number UN 1263

14.2. UN proper shipping name PAINT

14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)

DOT Proper Shipping Name PAINT

DOT Hazard Class 3

UN / NA Number UN 1263

DOT Packing Group III

CERCLA/DOT RQ

IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name PAINT

IMDG Hazard Class 3
Sub Class 3

IMDG Packing Group III

1

Not Applicable gal. /
Not Applicable lbs.

System Reference
Code

- 14.4. Packing group III
- 14.5. Environmental hazards
IMDG Marine Pollutant: No
- 14.6. Special precautions for user
Not Applicable
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not Applicable

| |
|----------------------------|
| 15. Regulatory information |
|----------------------------|

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification B2 D2B

DOT Marine Pollutants (10%):
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):
(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :
(No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous (>.1%) :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :
(No Product Ingredients Listed)

Mass RTK Substances (>1%) :
Methyl n-amyl ketone
2,4-Pentanedione

Penn RTK Substances (>1%) :
Methyl n-amyl ketone
2,4-Pentanedione

Penn Special Hazardous Substances (>.01%) :
(No Product Ingredients Listed)

RCRA Status:
(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :
Ethylene glycol monobutyl ether acetate
Methyl n-amyl ketone
2,4-Pentanedione

N.J. Special Hazardous Substances (>.01%) :
2,4-Pentanedione

N.J. Env. Hazardous Substances (>.1%) :
(No Product Ingredients Listed)

Proposition 65 - Carcinogens (>0%):
Formaldehyde

Proposition 65 - Female Repro Toxins (>0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0%):
(No Product Ingredients Listed)

| |
|-----------------------|
| 16. Other information |
|-----------------------|

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

The following sections have changed since the previous revision.

End of Document