

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

1 Identification

- **Product identifier**
- **Trade name:** FlintPrime™
- **Other product identifiers:** Asphalt D-41
- **Product code:** 402408 (5 Gallon)
- **Recommended use and restriction on use**
- **Recommended use:** Primer/ Subcoating
- **Restrictions on use:** See Sections 8 and 10 for further information.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
CertainTeed Corporation
20 Moores Road
Malvern, PA 19355
610-893-6000
- **Emergency telephone number:**
CHEMTREC
1-800-424-9300 (US/Canada)
+01 703-527-3887 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Liq. 3 H226 Flammable liquid and vapor.
Carc. 2 H351 Suspected of causing cancer.
STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS02 GHS08

- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Asphalt
Stoddard solvent
Asphalt, oxidized
- **Hazard statements:**
H226 Flammable liquid and vapor.
H351 Suspected of causing cancer.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
- **Precautionary statements:**
P201 Obtain special instructions before use.

(Cont'd. on page 2)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 1)

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P260	Do not breathe vapors.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection.
P240	Ground/bond container and receiving equipment.
P233	Keep container tightly closed.
P270	Do not eat, drink or smoke when using this product.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

8052-42-4	Asphalt	☠ Carc. 2, H351	50-75%
8052-41-3	Stoddard solvent	☠ Flam. Liq. 3, H226 ☠ STOT RE 1, H372; Asp. Tox. 1, H304	25-50%
64742-93-4	Asphalt, oxidized	☠ Carc. 2, H351	10-25%

· **Additional information:**

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.

· **After skin contact:**

Immediately remove any clothing soiled by the product.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn, if possible.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

(Cont'd. on page 3)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 2)

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

· Most important symptoms and effects, both acute and delayed:

Headache

Breathing difficulty

Coughing

Dizziness

Slight irritant effect on skin and mucous membranes.

Slight irritant effect on eyes.

Nausea in case of ingestion.

Gastric or intestinal disorders when ingested.

Vomiting.

Diarrhea.

· Danger:

Danger of impaired breathing.

Repeated exposure may cause skin dryness or cracking.

Causes damage to the central nervous system through prolonged or repeated exposure.

· Indication of any immediate medical attention and special treatment needed:

If necessary oxygen respiration treatment.

Later observation for pneumonia and pulmonary edema.

If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

· Extinguishing media**· Suitable extinguishing agents:**

Water fog / haze

Foam

Carbon dioxide

Gaseous extinguishing agents

Fire-extinguishing powder

· For safety reasons unsuitable extinguishing agents: Water stream.**· Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

· Advice for firefighters**· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· Additional information:

Eliminate all ignition sources if safe to do so.

Cool endangered receptacles with water fog.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

(Cont'd. on page 4)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 3)

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Keep away from ignition sources.

Protect from heat.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Allow to solidify. Pick up mechanically.

Absorb liquid components with liquid-binding material.

Send for recovery or disposal in suitable receptacles.

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

Use only in well ventilated areas.

Avoid splashes or spray in enclosed areas.

Rags, metal wools / cuttings / shavings and waste papers soaked with product must be placed in a sealed metal container rated for flammable waste.

· **Information about protection against explosions and fires:**

Flammable liquid and vapor.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

Emergency cooling must be available in case of nearby fire.

· **Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

Provide ventilation for receptacles.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

· **Further information about storage conditions:** Keep containers tightly sealed.

· **Specific end use(s):** No relevant information available.

(Cont'd. on page 5)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 4)

8 Exposure controls/personal protection

· Control parameters

· Components with limit values that require monitoring at the workplace:

8052-42-4 Asphalt

REL (USA)	Ceiling limit value: 5* mg/m ³ *15-min; See Pocket Guide App. A
TLV (USA)	Long-term value: 0.5* mg/m ³ *inh. fraction; as benzene-soluble aerosol; BEIp
EL (Canada)	Long-term value: 0.5 mg/m ³ inhalable, IARC 2B
EV (Canada)	Long-term value: 0.5 mg/m ³ fume, as benzene-soluble aerosol, inhalable
LMPE (Mexico)	Long-term value: 0.5* mg/m ³ A4, IBEp; *fracción inhalable

8052-41-3 Stoddard solvent

PEL (USA)	Long-term value: 2900 mg/m ³ , 500 ppm
REL (USA)	Long-term value: 350 mg/m ³ Ceiling limit value: 1800* mg/m ³ *15-min
TLV (USA)	Long-term value: 525 mg/m ³ , 100 ppm
EL (Canada)	Short-term value: 580 mg/m ³ Long-term value: 290 mg/m ³
EV (Canada)	Long-term value: 525 mg/m ³
LMPE (Mexico)	Long-term value: 100 ppm

· Ingredients with biological limit values:

8052-42-4 Asphalt

BEI (USA)	- Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)
-----------	---

· Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· Engineering controls: No relevant information available.

· Breathing equipment:

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

For large spills, respiratory protection may be advisable.

(Cont'd. on page 6)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 5)

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection:



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

Avoid release to the environment.

· **Risk management measures** See Section 7 for additional information.

9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance:

Form:

Liquid

Color:

Dark

· Odor:

Petroleum-like

· Odor threshold:

Not determined.

· pH-value:

Not determined.

· Melting point/Melting range:

Not determined.

· Boiling point/Boiling range:

149-177 °C (300-351 °F)

· Flash point:

40 °C (104 °F) (PMCC)

· Flammability (solid, gaseous):

Not applicable.

· Auto-ignition temperature:

Not determined.

· Decomposition temperature:

Not determined.

· Auto igniting:

Product is not self-igniting.

· Danger of explosion:

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits

Lower:

Not determined.

Upper:

Not determined.

· Oxidizing properties:

Not determined.

· Vapor pressure:

Not determined.

· Density:

Not determined.

· Relative density:

Not determined.

· Vapor density:

>4 g/cm³ (>33.38 lbs/gal) (Air = 1)

(Cont'd. on page 7)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 6)

- **Evaporation rate at 25 °C (77 °F):** 0.2 (butyl acetate = 1)
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Other information** No relevant information available.

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:**
Flammable liquid and vapor.
Reacts with oxidizing agents.
Reacts with strong acids.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
- **Conditions to avoid:** Excessive heat.
- **Incompatible materials:** Oxidizing agents
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Slight irritant effect on skin and mucous membranes.
- **On the eye:** Slight irritant effect on eyes.
- **Sensitization:** Based on available data, the classification criteria are not met.

· IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

· Probable route(s) of exposure:

Eye contact.
Skin contact.

(Cont'd. on page 8)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 7)

- **Acute effects (acute toxicity, irritation and corrosivity):**
Irritating if inhaled, causing symptoms of coughing and shortness of breath.
May cause gastro-intestinal irritation if ingested.
- **Repeated dose toxicity:** Danger of very serious irreversible effects.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Carc. 2
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Suspected of causing cancer.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:**
Causes damage to the central nervous system through prolonged or repeated exposure.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity** The product contains materials that are harmful to the environment.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
- **Additional ecological information**
- **General notes:** Avoid release to the environment.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

(Cont'd. on page 9)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 8)

14 Transport information

- **UN-Number**

- **DOT**

Not regulated.

Reclassified as combustible under US DOT regulations. Labeling is only required for single packages ≥ 119 US gal / 450 L to include Combustible symbol and Proper Shipping Name.

- **ADR, IMDG, IATA**

UN1999

- **UN proper shipping name**



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).

- **DOT**

Not regulated.

- **ADR**

1999 TARS, LIQUID

- **IMDG**

TARS, LIQUID

- **IATA**

Tars, liquid

- **Transport hazard class(es)**

- **DOT**

- **Class**

Not regulated.

- **Label**

-

- **ADR**



- **Class**

3 (F1) Flammable liquids

- **Label**

3

- **IMDG, IATA**



- **Class**

3 Flammable liquids

- **Label**

3

- **Packing group**

- **DOT**

Not regulated.

- **ADR, IMDG, IATA**

III

- **Environmental hazards**

- **Marine pollutant:**

No

- **Special precautions for user**

Warning: Flammable liquids

- **Danger code (Kemler):**

30

(Cont'd. on page 10)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 9)

- | | |
|---|------------------------------|
| · EMS Number: | F-E,S-E |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · IATA | Limited quantity by air: 10L |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

· TSCA (Toxic Substances Control Act)

All ingredients are listed.

· Proposition 65 (California)

· Chemicals known to cause cancer:

8052-42-4 Asphalt

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

· IARC (International Agency for Research on Cancer):

8052-42-4	Asphalt	2B
64742-93-4	Asphalt, oxidized	2A

· NIOSH-Ca (National Institute for Occupational Safety and Health):

8052-42-4 Asphalt

(Cont'd. on page 11)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 02/22/2016

Revision: 02/22/2016

Trade name: FlintPrime™

(Cont'd. of page 10)

- **Canada**
- **Canadian substance listings**

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 1%):**

8052-41-3 | Stoddard solvent

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 02/22/2016 / -

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Carc. 2: Carcinogenicity, Hazard Category 2

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com