

STICK FAST™ STABILIZING RESIN CATALYST

SAFETY DATA SHEET

350 STABILIZING RESIN CATALYST

According to Hazcom 2012 (Appendix D To §1910.1200)

1. Identification

Product identifier

Product name 350 STABILIZING RESIN CATALYST

Recommended use of the chemical and restrictions on use

Application Catalyst.

Details of the supplier of the safety data sheet

Supplier TMI Products 308 D Bob Industrial Suite 8, Peachtree City, GA 30269 -
United States 770-631-7897; www.TMIProducts.net

Emergency telephone number

Emergency telephone 1-888-255-3924; CHEMTEL International Emergency number: 813-248-0585

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

Physical hazards Self-react. C - H242

Health hazards Acute Tox. 4 - H302

Environmental hazards Not Classified

Label elements

Pictogram



Signal word Danger

Hazard statements H242 Heating may cause a fire.
H302 Harmful if swallowed.

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Precautionary statements	<p>P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.</p> <p>P234 Keep only in original container.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+P310 If swallowed: Immediately call a poison center/doctor.</p> <p>P330 Rinse mouth.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P420 Store away from other materials.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P411 Store at temperatures not exceeding 25°C /77°F.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p>
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Contains 2,2'-DIMETHYL-2,2'-AZODIPROPIONONITRILE (ADZN)

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

2,2'-DIMETHYL-2,2'-AZODIPROPIONONITRILE (ADZN)	20-50%
CAS number: Proprietary	
Classification	
Self-react. C - H242	
Acute Tox. 4 - H302	
Acute Tox. 4 - H332	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation	Remove affected person from source of contamination. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately.
Skin Contact	Remove affected person from source of contamination. Wash skin thoroughly with soap and water.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed

Inhalation	Vapors may cause headache, fatigue, dizziness and nausea. Unconsciousness and convulsions can occur.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.

Indication of immediate medical attention and special treatment needed

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Notes for the doctor Treat symptomatically.

5. Fire-fighting measures**Extinguishing media**

Suitable extinguishing media Extinguish with the following media: Water. Carbon dioxide (CO₂). Powder. Foam.

Special hazards arising from the substance or mixture

Specific hazards Toxic gases/vapours/fumes of: Tetramethylsuccinonitrile Nitrogen. Vapours may ignite.

Advice for firefighters

Protective actions during firefighting Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Containers close to fire should be removed or cooled with water.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Inform authorities if large amounts are involved.

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in Section 13.

7. Handling and storage**Precautions for safe handling**

Usage precautions Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures not exceeding 25°C/77°F.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection**Control parameters****Occupational exposure limits**

Exposure limits of constituents where known and applicable are given below

Ingredient comments No exposure limits known for ingredient(s).

Exposure controls

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Protective equipment



Appropriate engineering controls

All handling should only take place in well-ventilated areas.

Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Use protective gloves.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a suitable dust mask.

Environmental exposure controls

Keep container tightly sealed when not in use.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Paste.
Color	White/off-white.
Odor	No characteristic odor.
Odor threshold	Not applicable.
pH	Not available.
Melting point	Scientifically unjustified.
Initial boiling point and range	No information required.
Flash point	Not applicable.
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	0.81 hPa @ 20°C Estimated value.
Vapour density	Not available.
Relative density	1.005 - 1.015 @ °C
Solubility(ies)	Not available.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	SADT > 55 C
Viscosity	Not applicable.

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Explosive properties	Not considered to be explosive.
Oxidising properties	Not available.
Other information	Not available.

10. Stability and reactivity

Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid heat, flames and other sources of ignition. Heating may generate the following products: Toxic gases or vapors.
Materials to avoid	Aldehydes. Ketones. Alcohols, glycols. Alkali metals. Heptane
Hazardous decomposition products	Toxic gases/vapours/fumes of: Tetramethylsuccinonitrile

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 4,000.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 22.0

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Not available.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not available.

Aspiration hazard

Aspiration hazard Not applicable.

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Inhalation	Vapors in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.
Ingestion	May cause nausea, headache, dizziness and intoxication.
Skin Contact	No specific health hazards known.
Eye contact	No specific health hazards known.
Route of entry	Inhalation Skin and/or eye contact
Target Organs	Liver Kidneys Respiratory system, lungs
Medical Symptoms	Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

12. Ecological Information

Ecotoxicity	The product contains a substance which may cause long-term adverse effects in the aquatic environment.
<u>Toxicity</u>	
Acute toxicity - fish	Not available.
Acute toxicity - aquatic invertebrates	Not available.
Acute toxicity - aquatic plants	Not available.
Acute toxicity - microorganisms	Not available.
Acute toxicity - terrestrial	Not available.
Chronic toxicity - aquatic invertebrates	Not available.
<u>Persistence and degradability</u>	
Persistence and degradability	The product is not readily biodegradable.
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.
Partition coefficient	Not applicable.
<u>Mobility in soil</u>	
Mobility	The product has poor water-solubility.
<u>Results of PBT and vPvB assessment</u>	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
<u>Other adverse effects</u>	
Other adverse effects	Not known.

13. Disposal considerations

Waste treatment methods

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Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class 08 04 15 15 01 10 16 05 08

14. Transport information

UN Number

UN No. (DOT) 3224

UN No. (IMDG) 3224

UN No. (ICAO) 3224

UN proper shipping name

Proper shipping name (DOT) Self reactive solid type C , 2,2-Azodi(isobutyronitrile) as a water based paste

Proper shipping name (IMDG) Self reactive solid type C , 2,2-Azodi(isobutyronitrile) as a water based paste

Proper shipping name (ICAO) Self reactive solid type C , 2,2-Azodi(isobutyronitrile) as a water based paste

Transport hazard class(es)

IMDG Class 4.1

ICAO class/division 4.1

Transport labels



Packing group

DOT pack group II

IMDG packing group II

ICAO packing group II

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

EmS F-J, S-G

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

Other information:

Domestic ground transportation:
DOT (49CFR172):

DOT Exceptions: Ground ship Domestic Highway or Rail
Shipping small quantities less than 30cc each inner receptacle:
See DOT Title 40: Transportation 173.4 : Small quantities for highway and rail for complete shipping details and label requirements.

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15. Regulatory information

International Regulations

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Final CERCLA RQ: 100 lbs

SARA (311/312) Hazard Categories

Chronic
Fire
Pressure
Reactivity

US State Regulations

Massachusetts "Right To Know" List

2,2'-DIMETHYL-2,2'-AZODIPROPIONONITRILE (ADZN)

Rhode Island "Right To Know" List

2,2'-DIMETHYL-2,2'-AZODIPROPIONONITRILE (ADZN)

Minnesota "Right To Know" List

2,2'-DIMETHYL-2,2'-AZODIPROPIONONITRILE (ADZN)

New Jersey "Right To Know" List

2,2'-DIMETHYL-2,2'-AZODIPROPIONONITRILE (ADZN)

Pennsylvania "Right To Know" List

2,2'-DIMETHYL-2,2'-AZODIPROPIONONITRILE (ADZN)

Inventories

EU - EINECS/ELINCS

All the ingredients are listed or exempt.

Canada - DSL/NDSL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

Australia - AICS

All the ingredients are listed or exempt.

Japan - MITI

All the ingredients are listed or exempt.

Korea - KECI

All the ingredients are listed or exempt.

China - IECSC

All the ingredients are listed or exempt.

Philippines - PICCS

All the ingredients are listed or exempt.

New Zealand - NZIOC

All the ingredients are listed or exempt.

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16. Other information

This product contains 50% of the active ingredient listed in Section 3.2

General information

Revision date	03/14/2020
Revision	2
Supersedes date	05/19/2015
Hazard statements in full	H242 Heating may cause a fire. H302 Harmful if swallowed. H332 Harmful if inhaled.
NFPA - flammability hazard	Burns only if heated moderately. (2)
NFPA - health hazard	Irritation, minor residual injury. (1)
NFPA - instability hazard	Unstable if heated. (1)
ACA HMIS Health rating.	Slight hazard. (1)
ACA HMIS Physical hazard rating.	Unstable if heated. (1)
ACA HMIS Flammability rating.	Burns only if heated moderately. (2)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. TMI Products Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.